Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/24/2017 11:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124578	-1	1.80	124375	1.76
Blue	F	SSC	125000	123988	-1	3.19	124271	2.95
Blue	E	FITC	23615	22792	-4	2.84	1013	10.60
Blue	D	PE	26739	26074	-3	2.49	936	10.22
Blue	B	PerCP-Cy5-5	48339	47119	-3	3.63	1348	17.23
Blue	A	PE-Cy7	45021	44283	-2	5.21	681	35.27
Red	C	APC	53064	52033	-2	2.93	2997	9.64
Red	A	APC-Cy7	57175	56370	-2	2.95	1164	11.46
Violet	B	V450	14728	13932	-6	5.97	671	10.17
Violet	A	V500	58621	56810	-4	5.93	2514	7.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19707	2.89	609	-5	N/A	N/A	Pass
Blue	F	SSC	61147	2.08	547	1	N/A	N/A	Pass
Blue	E	FITC	114	39.20	548	0	0.0197	131	Pass
Blue	D	PE	205	30.41	537	1	0.1539	267	Pass
Blue	B	PerCP-Cy5-5	210	44.48	634	-1	0.0097	43	Pass
Blue	A	PE-Cy7	73	121.78	693	0	0.0122	20	Pass
Red	C	APC	349	27.89	599	2	0.0196	48	Pass
Red	A	APC-Cy7	126	41.78	582	2	0.0053	1682	Pass
Violet	B	V450	81	43.24	470	0	0.0440	1936	Pass
Violet	A	V500	183	22.76	498	1	0.0148	361	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.27	-31.71	0.85
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	18.02	13.27 - 19.91	N/A	N/A	31.81	32.19	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10241

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments